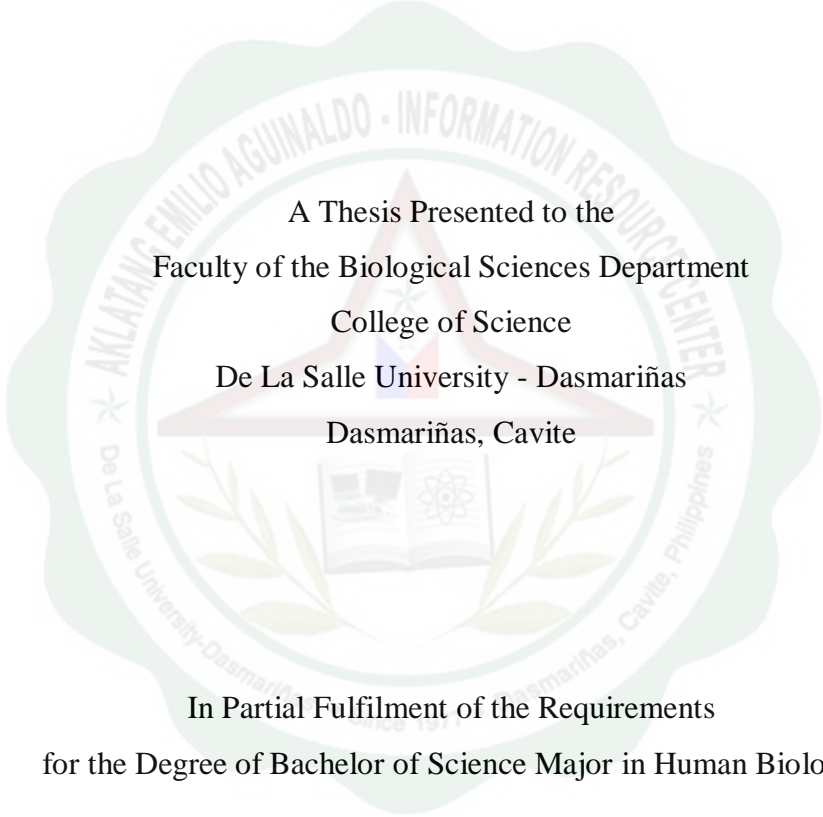




**ANTI-CLASTOGENIC POTENTIAL OF ANTHOCYANIN-RICH  
*Syzygium curanii* L. (LIPOTE) FRUIT EXTRACT BY  
ERYTHROCYTE MICRONUCLEUS ASSAY  
IN ALBINO RATS (*Rattus Norvegicus*)**



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### ABSTRACT

This study investigated the anti-clastogenic potential of *Syzygium curanii* L. (lipote) fruit extract by erythrocyte micronucleus assay in rats. Rats were administered with 50mg/kg (low dose) and 100mg/kg (high dose) of lipote fruit extract and were induced with potassium bromate after two weeks. The formation polychromatic erythrocyte was the base line of the study. The number of polychromatic erythrocyte was lesser in number in groups administered with 100mg/kg (high dose) of lipote fruit extract compared to the groups exposed to potassium bromate and not administered with lipote fruit extract. Meanwhile, groups administered with 100mg/kg (high dose) of lipote fruit extract had lesser number of polychromatic erythrocyte than that of the group administered with 50mg/kg (low dose) of lipote fruit extract. This means that the lipote fruit extract inhibited the growth of polychromatic erythrocyte and there was a dose dependent relationship between the group administered with low dose and high dose of lipote fruit extract.



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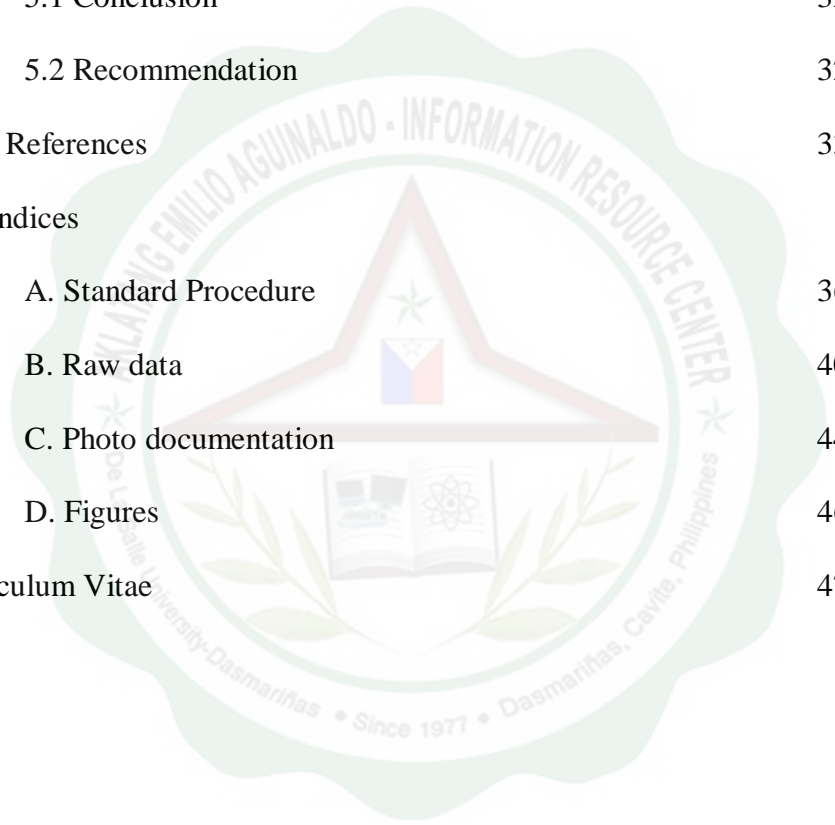
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